

THE DEVELOPMENT OF ACCESSIBLE DESIGN IN MALAYSIA

Built Environment and Transportation



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- Demographics
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Disabled People Demographics

- **Malaysian population estimated at 27 million**
- **Voluntary registered number of disabled persons 313, 685 (1.16%) (August 2010)**
- **Unpublished census: 2.7% of population**

(Department of People with Disabilities, Malaysia quote)

(WHO estimates 5 - 10%)

Malaysian Regulations: Built Environment

1994: Proclamation on the Full Participation & Equality of PWD Asia-Pacific Region

2008: Persons with Disabilities Act

Articles 26 & 27: Public facilities, amenities, services, buildings, transportation

Article 28: Education

Article 29: Employment

Article 30: ICT

Article 33: Habilitation & Rehabilitation

Article 35: Health

1974: Street, Drainage and Building Act

1991: Amended to include UBBL 34A

Compliance with MS 1183 & MS 1184

MS 1331: Code of Practice Access for Disabled persons Outside Buildings

MS 1184 & MS 1331 Integrated (2012): Part I Exterior Areas and Part II Indoor Areas



'Scene of Malaysian Life'

Problems Review

“We did not manage to get into any of the buses. The feeder buses serving housing estates have steps and it is impossible for wheelchair users to board. There are buses with ramps but these are serving trunk routes only. At the moment, these buses do not allow wheelchair users to board because there is a lack of suitable bus stops. Even if we can board these buses, there is a lack of connectivity from the housing estates to the bus hubs where we can catch the buses with ramps”
Malay Mail (2009) Rahman, S.



Standardization

Public Transport

- **No legal requirement to make public transport accessible to disabled people**
- **No code of practice for access for disabled persons to public transport**
- **Current accessible facilities in public transport are on trial and error basis**
- **RapidKL working with Disabled Persons Organisations on ad-hoc basis on accessible bus design**

Circle of Mobility



Industry Efforts

Mobility vehicle for wheelchair users

17.07.2008





Accessible parking in at Tasik
Titiwangsa Park, Kuala Lumpur

'I am unable to participate equally in life; education, employment, recreation, conduct day to day living because everything seems unreachable'



Poor construction



Inadequately design

Problems Review



No railings



Obstruction

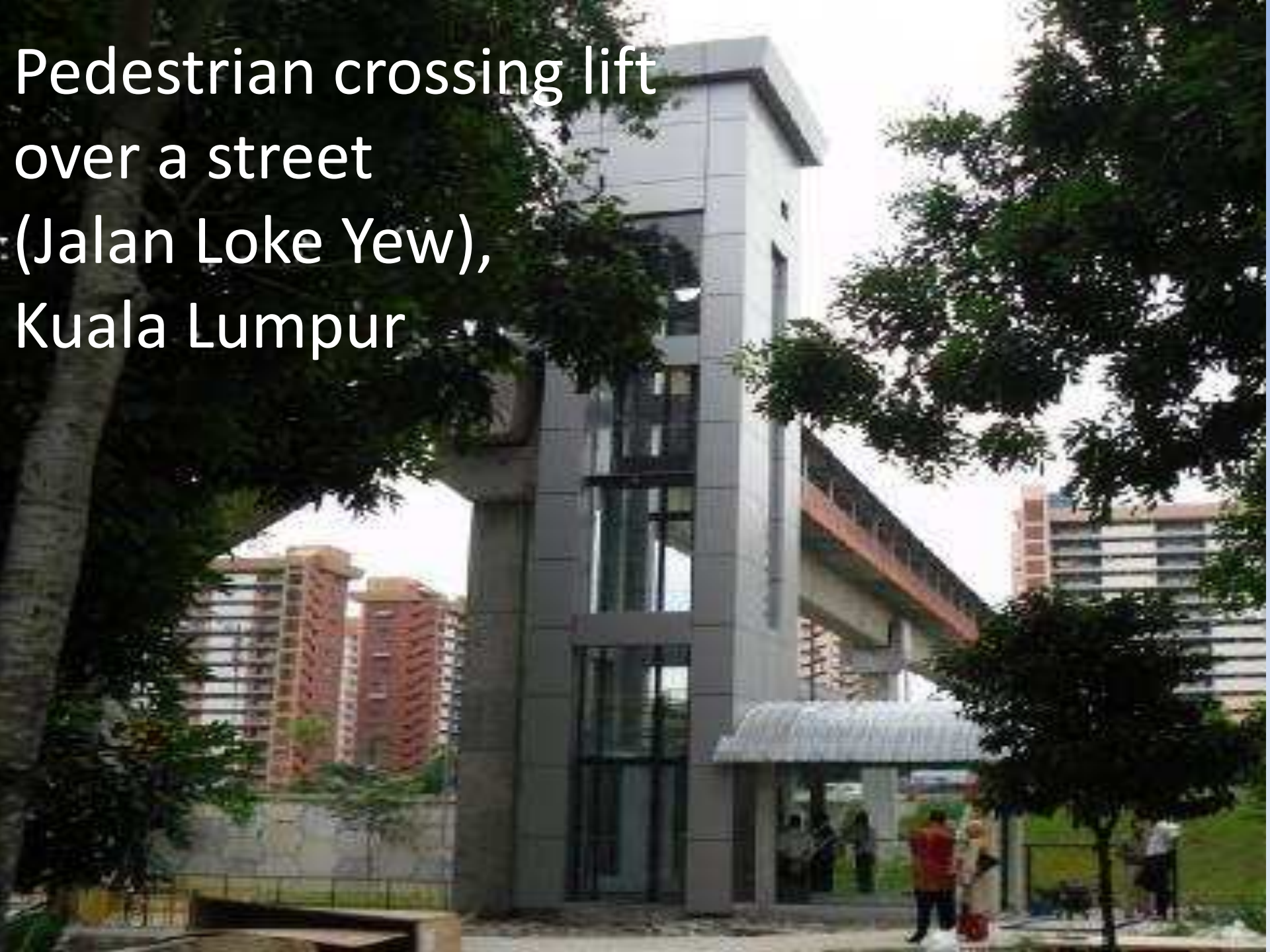
Platform lift in Tasik Titiwangsa Park Stadium, Kuala Lumpur



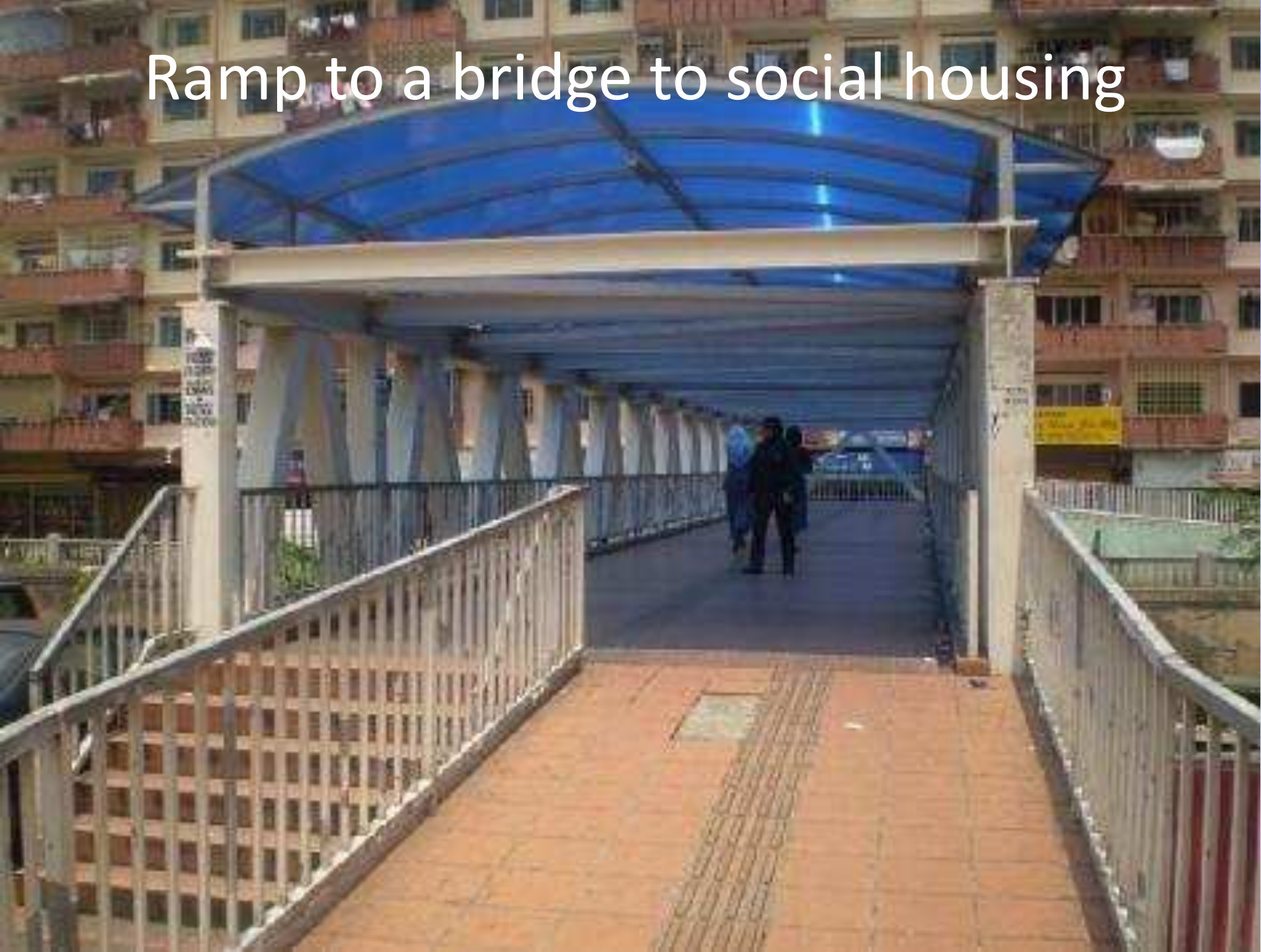
Hydraulic lift in Stadium Merdeka



Pedestrian crossing lift
over a street
(Jalan Loke Yew),
Kuala Lumpur



Ramp to a bridge to social housing



Accessible lift at KLCH building



Low counter at KLCH building



Research & Development

- **Most local universities researching on transportation, including behaviour studies of passengers, ergonomics and design of transportation vehicles as well as research pertaining to Universal Design.**
- **Workshops on access audits for local government officers.**
- **Disability Awareness Training.**
- **Revision of Code of Practice to keep up with current technology and advances.**



Pilot Project: Penang (2008)



Wayfinding - scented and textured plants
Safety - poisonous, thorny or allergenic plants
Management and maintenance

Advisors in committees and task forces



AIG training local government technical personnel



ACCESS sharing of information on accessible and safe built environment

Simulation Exercise and Audit



Sharing experience and understanding barriers

14 Weeks Elective Course Program



First batch of trained students help to train second batch of students

Consultancy for new and existing buildings



Before construction



Testing the ramp



Steel handrail installation

Conclusion

- **Need for policies, regulations and standards.**
- **Accessible Design of Services is very much to be determined by the different sectors and proper guidelines is not made public or published.**
- **Accessible Design of Products needs the government to initiate with policies and regulations.**

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